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We claim:

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1. A system for predicting ictal onset in a subject comprising:

- a. a first data sensor positioned on the scalp of a subject near the focal point of
 ictal onset;
 - b. a second data sensor positioned on the scalp of said subject, wherein said second data sensor is remote from said first data sensor; and
 - c. a processor configured to analyze data collected from said first and said second data sensors to provide a nonlinear mathematical manipulation of said data collected from said first and from said second data sensors, wherein said nonlinear mathematical manipulation produces a first marginal predictability value, and a second marginal predictability value.
- 2. The system of claim 1, wherein said first and said second data sensors comprise electrodes.
 - 3. The system of claim 2, wherein said electrodes record electroencephalogram data from said subject.
- 4. The system of claim 1, wherein said processor compares the difference between said first marginal predictability value and said second marginal predictability value.
 - 5. The system of claim 4, wherein said difference between said first marginal predictability value and said second marginal predictability value decreases indicting ictal onset.
 - 6. The system of claim 1, further comprising a subject warning device configured to receive information from said processor.
- 7. The system of claim 6, wherein said information comprises information predictive of an ictal onset.

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8. The system of claim 6, wherein said subject warning device comprises at least one alarm selected from the group consisting of audible, visual, and tactile alarms.

- 9. The system of claim 1, wherein said processor further comprises a computer5 readable memory.
 - 10. The system of claim 1, further comprising an anti-seizure agent administering device in communication with said processor wherein said anti-seizure agent administering device administers an anti-seizure agent to the subject.

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- 11. The system of claim 10, wherein said anti-seizure agent administering device is selected from the group consisting if micro pumps and electrical stimuli devices.
- 12. A method for predicting ictal onset in a subject comprising:
- 15 a. providing:
 - i. a subject;
 - ii. a system configured to detect ictal onset, wherein said system comprises: a first data sensor positioned on the scalp of said subject near the focal point of ictal onset; a second data sensor positioned on the scalp of said subject, wherein said second data sensor is remote from said first data sensor;

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iii. a processor configured to analyze data collected from said first and said second data sensors to provide a nonlinear mathematical manipulation of said data collected from said first and from said second data sensors, wherein said nonlinear mathematical manipulation produces a first marginal predictability value, and a second marginal predictability value; and

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- iv. a subject warning device in communication with said processor; and
- b. contacting said subject with said system;
- c. determining said first marginal predictability value and a second marginal predictability value;

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d. predicting ictal onset in said patient by difference in said first marginal predictability value and a second marginal predictability value.

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13. The method of claim 12, wherein said first and said second data sensors comprise electrodes.

- 14. The method of claim 12, wherein said electrodes record electroencephalogram data5 from said subject.
 - 15. The method of claim 12, wherein said processor compares the difference between said first marginal predictability value and said second marginal predictability value.
- 16. The method of claim 15, wherein said difference between said first marginal predictability value and a second marginal predictability value decreases indicting ictal onset.
- 17. The method of claim 12, further comprising providing a subject warning device configured to receive information from said processor.
 - 18. The method of claim 17, wherein said information comprises information predictive of an ictal onset.
- 20 19. The method of claim 17, wherein said subject warning device comprises at least one alarm selected from the group consisting of audible, visual, and tactile alarms.
- The method of claim 12, further comprising an anti-seizure agent administering device in communication with said processor wherein said anti-seizure agent administering
 device administers an anti-seizure agent to the subject.
 - 21. The system of claim 20, wherein said anti-seizure agent administering device is selected from the group consisting if micro pumps and electrical stimuli devices.